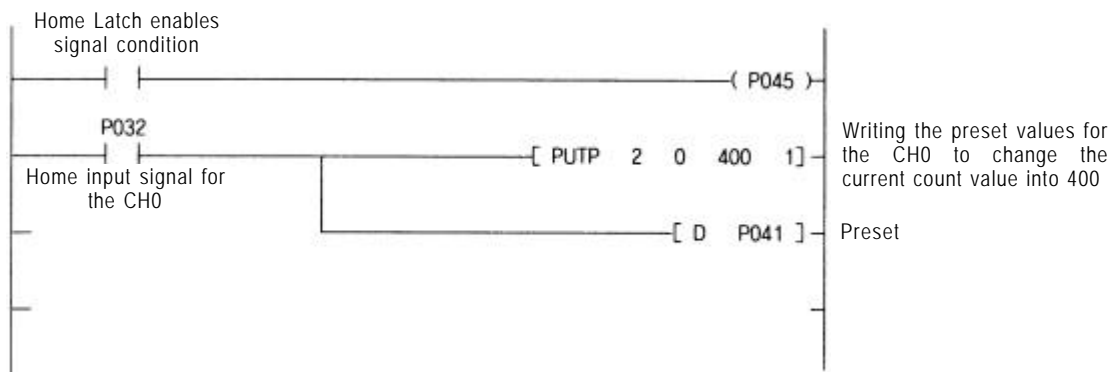
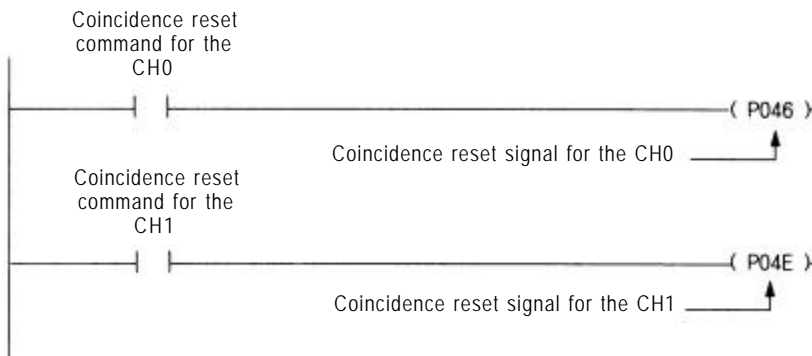


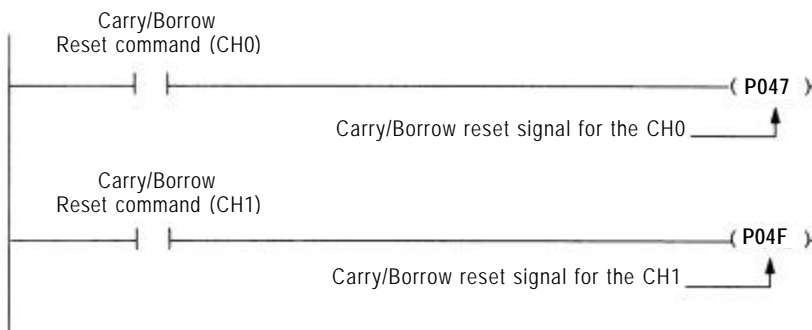
• Setting Preset Value using the Home Input Signal



7.2.7 Coincidence Reset



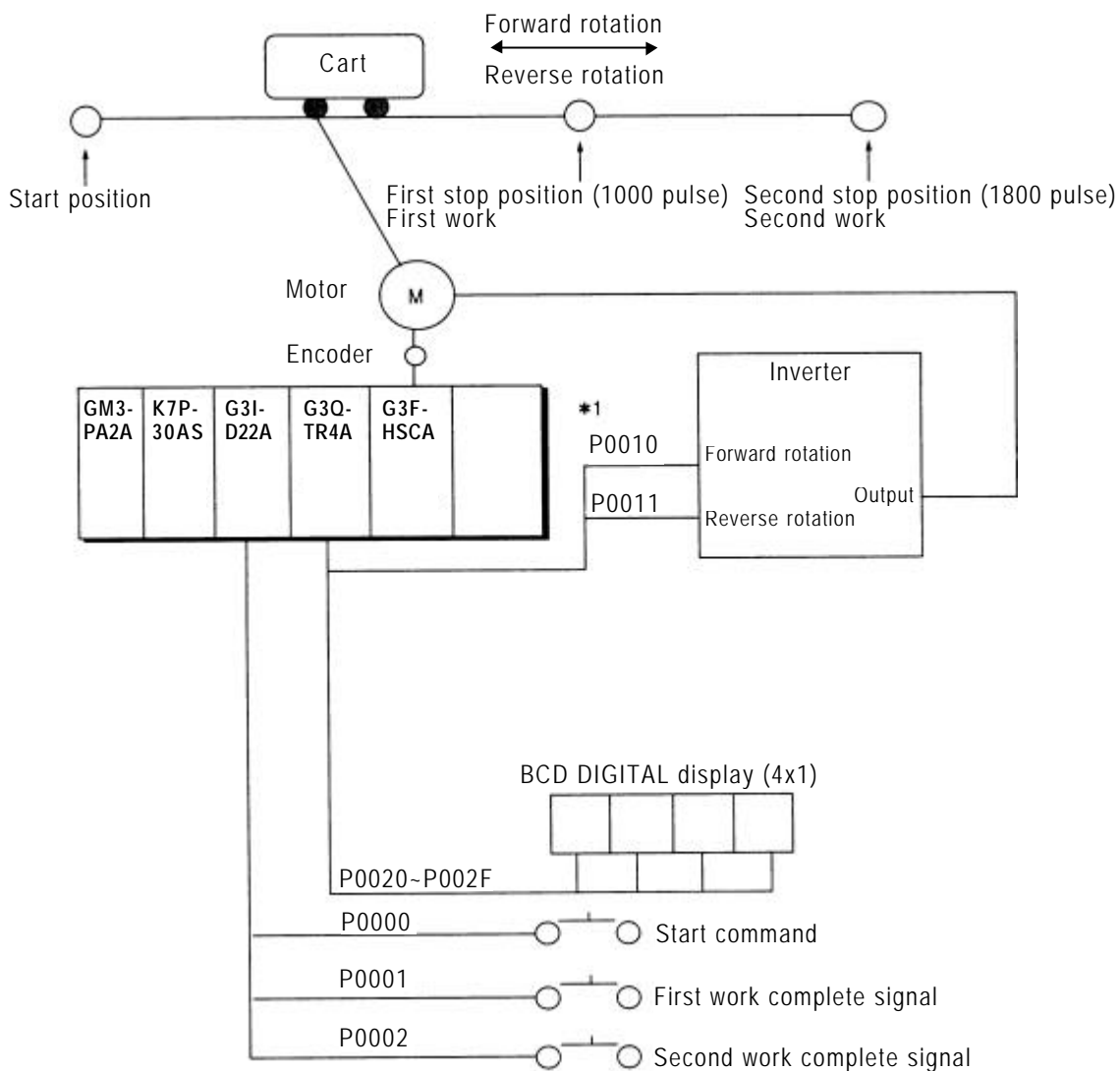
7.2.8 Carry/Borrow Reset



**7.3 Application Examples**

7.3.1 Program for moving the Cart

· System Configuration



- K7P-30AS : MK 1000S CPU module
- G3I-D22A : DC Input module (16 points)
- G3Q-TR4A : TR Output module (32 points)
- G3F-HSCA : High Speed Counter Module (32 points)

**Operation explanation**

The motor for moving the cart rotates with start command, and makes the cart stop at the first stop position with the High Speed Counter Module counting the encoder signals from the motor.

Then, if the first work complete signal turns On, the motor moves the cart to stop at the second stop position. When the second work complete signal turns On, the motor return the cart to the start position.

**Input/Output Signal Allocation**

P0000 : Start Command  
P0001 : 1st Work Complete Signal  
P0002 : 2nd Work Complete Signal

} Input

P0010 : Motor forward rotation signal (On : Forward rotation , Off : Stop)  
P0011 : Motor reverse rotation Signal (On : Revese rotation, Off : Stop)  
P0020 ~ P002F : Indicates the current count value(BCD) of the High Speed Counter Module.

} Output

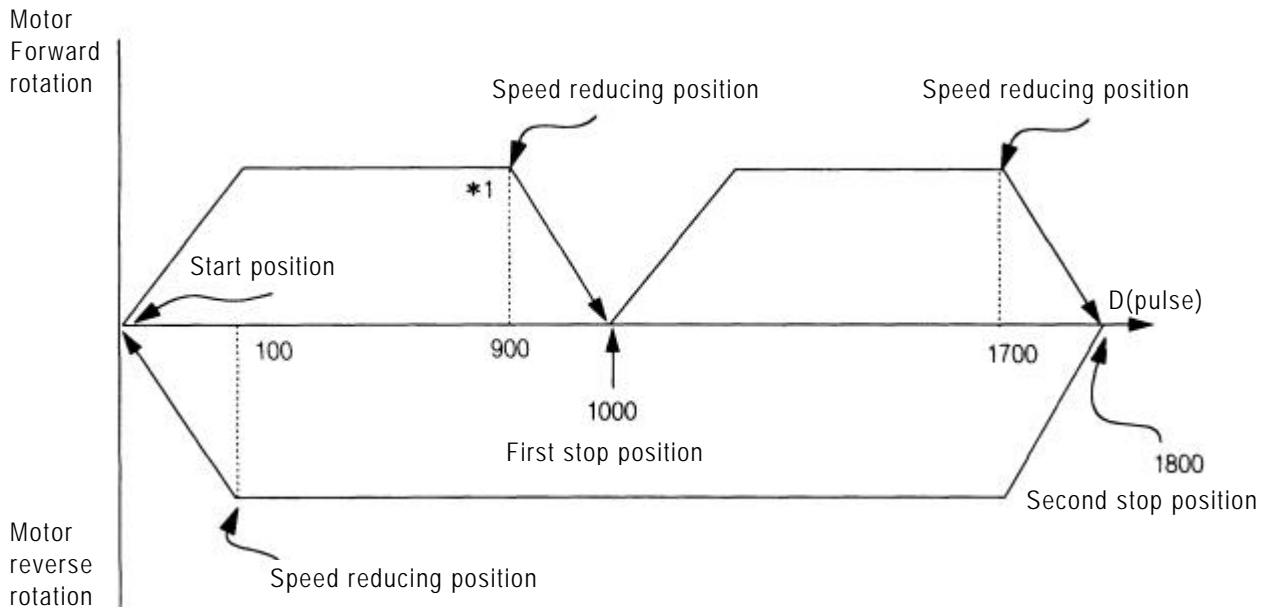
P0030 ~ P003F : High-speed counter Input Signal  
P0040 ~ P004F : High-speed counter Output Signal

**D Register Allocation**

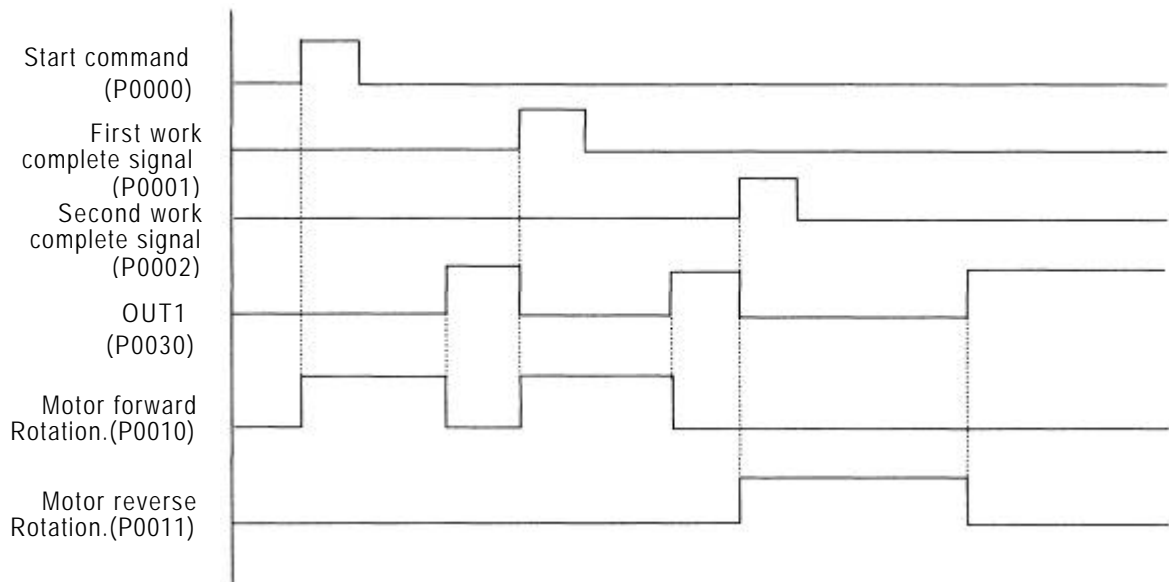
D0000 : High-speed counter Current count Value

### Operation pattern

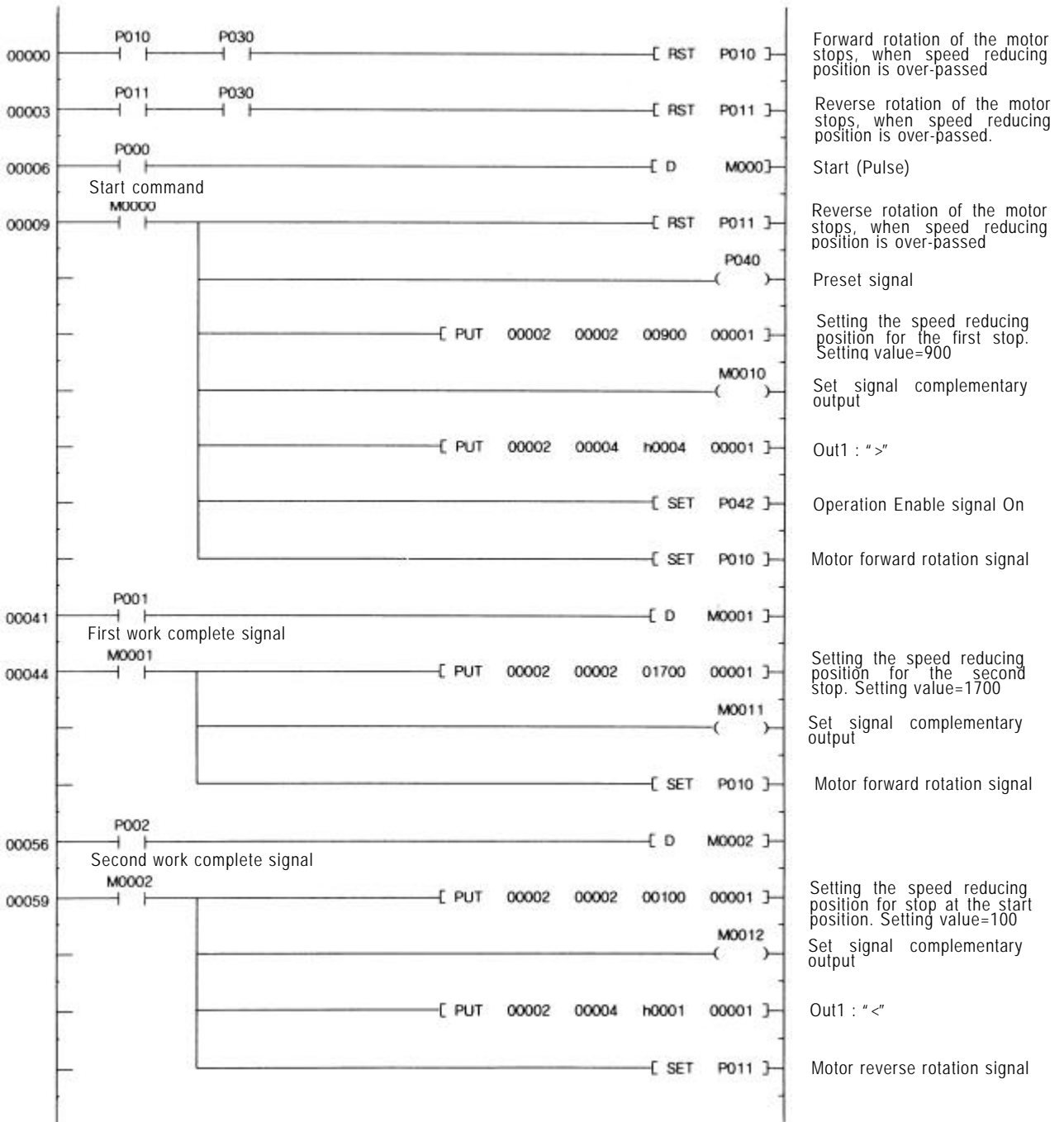
\*1. 100(Difference between stop position and speed reducing position) is an interval delayed by reducing timing of the inverter

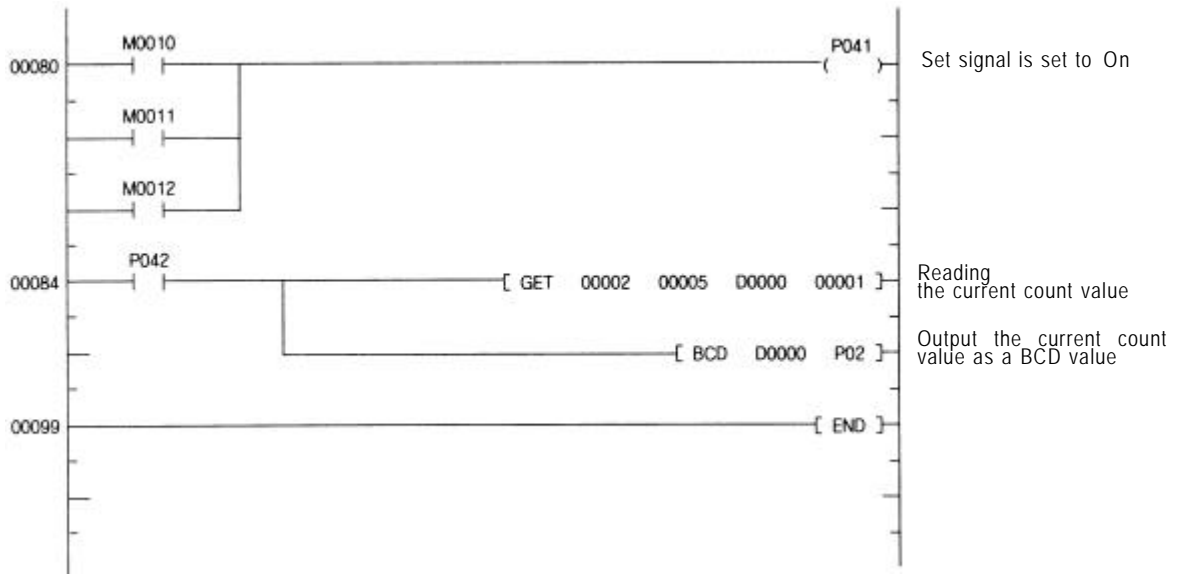


### Operation timing Diagram



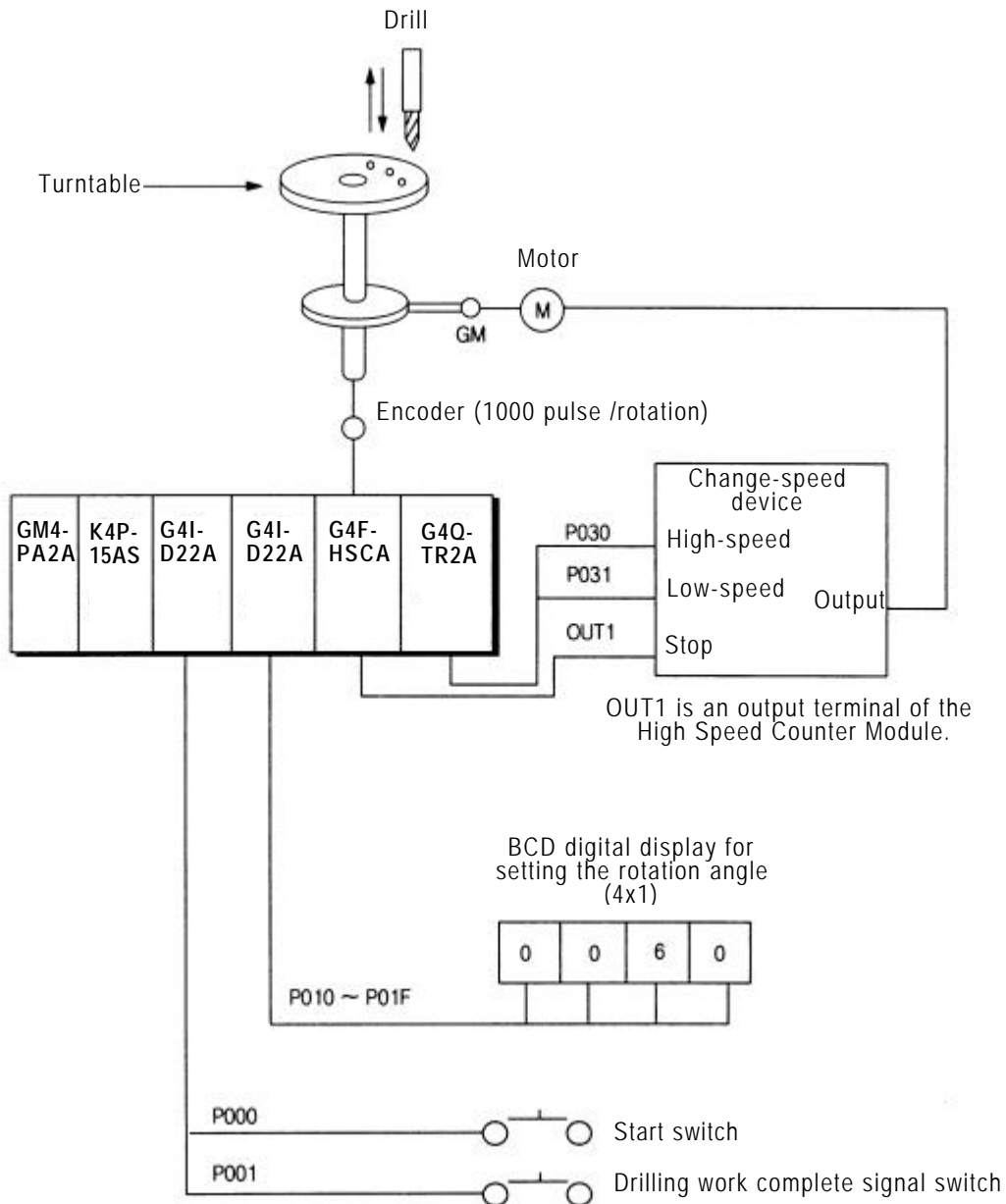
Program





7.3.2 Program for Control of the Constant Angle rotation of the Turntable.

· System Configuration



K4P-15AS : MK 300S CPU Module

G4I-D22A : DC input Module (16 points)

G4F-HSCA : High speed counter Module (16 points)

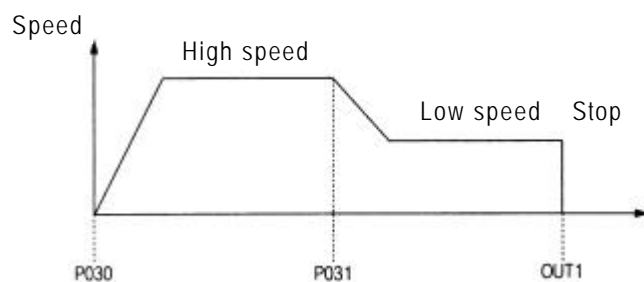
G4Q-TR2A : TR output Module (16 points)

· Operation Description

If the start switch is pushed, the turntable rotates as much as the rotation angle set (60 ° ) and completes drilling.

If the drilling work complete signal turns On, it rotates again 60 ° . If repeating the above operations has finished six drilling works, all processing will be finished.

· Operation Format



· Program

